IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of : December 28, 2007

N. Feng, et al : Group Art No.: 2145

Serial No. 09/772,011 : Examiner: A. Q. Choudhury

Filed: January 27, 2001 : for IBM Corporation

Anne Vachon Dougherty

Title: METHOD FOR BALANCING 3173 Cedar Road

LOAD AMONG MIRROR SERVERS Yorktown Hts, NY 10598

REQUEST FOR ENTRY OF PRE-APPEAL BRIEF REQUEST FOR REVIEW

Commissioner for Patents Sir:

In response to the Final Office Action dated June 28, 2007 for the above-identified patent application, Applicants submitted a Notice of Appeal, a Pre-Appeal Brief Request for Review including cover page (PTO form SB/33) and four pages of supporting arguments, a Petition for Extension of Time with fee, and an acknowledgement postcard via Express Mail on October 29, 2007. Copies of the filed papers, Express Mail receipt, and the stamped acknowledgement postcard are attached hereto.

Due to the fact that Applicants' attorney had not received a Decision from the Pre-Appeal Brief Review, Applicants' attorney placed several calls to the Patent Office to ascertain the status of the application. In a December 28, 2007 a telephone interview was conducted between the undersigned attorney and Jeff Gaffin, the Acting Group Director for 2100. A copy of the Interview Summary is

attached hereto. In the telephone interview, Applicants' undersigned attorney was informed that a Notice indicating that the Pre-Appeal Brief Request for Review was defective had been mailed on December 10, 2007. The Notice indicated that the request was defective since it did not include a title.

Applicants respectfully assert that the title, "Pre-Appeal Brief Request for Review", is clearly shown on the cover page, form SB/33, which was submitted on October 29, 2007. It was suggested by Acting Group Director Gaffin that the cover page may not have been properly scanned at the PTO.

Acting Group Director Gaffin recommended that following actions be taken:

-that Applicants' attorney transmits copies of the submitted documents corroborating that the "titled" request was filed on October 29, 2006; and

-that Mr. Gaffin e-mails the PTO center responsible for scanning submitted documents to locate the cover page, form SB/33 entitled "Pre-Appeal Brief Request for Review".

Applicants respectfully request entry of the Pre-Appeal Brief Request for Review as of the original submission date based on the attached evidence of submission.

Should any further information be required, it is asked that the undersigned attorney be contacted directly via telephone.

Should any additional fees be required for entry of the Request, authorization is given to charge Deposit Account 50-0510.

Should a Petition for Extension of Time be required for entry of the submission, this paper is to be interpreted as said Petition and any associated fee charged to Deposit Account 50-0510.

Respectfully submitted,

N. Feng, et al

By: /Anne Vachon Dougherty/ Anne Vachon Dougherty Registration No. 30,374 Tel. (914) 962-5910

EB194546648US

PTO/38/31 (64-05)
Approved for use through 07/31/2005, OLG 07/31/2005
U.S. Priore and Tradector's Office(U.S. DEPARTMENT OF COMMERCE

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		Docker Number (Optional)			
NOTICE OF APPEAL FROM THE EXAMINER TO THE BOARD OF PATENT APPEALS AND INTERFERENCE:		JP919990263US1			
I hereby certify that this correspondence is being brasmile transmitted to the UEPTO or deposited with the United States Postal Benvice with sufficient postage as first class mail in an envisope additional to	In re Application of N. Feng				
Commissioner for Patients. P. O. (flow 1450, Africandés, VA 22313- 1450 (37 CFR 1.5(b)) October 29, 2007	Application N 09/772	Filed 01/27/2001			
sonourollano Warken Doughert	For MET	HOD FOR	BALANCING SERVERS		
Typed or spring Anne Vachon Dougherty	2145 Examiner A.Q. Choudhus				
Applicant hereby appeals to the Blood of Plasmi Applials and Interference	es from the last (decision of the ex	aminėt.		
The two for this Hodge of Appeal is (37 CFR 41.20(b)(1))			\$ 510.00		
Applicant chies small entity status, See 37 CFR 1,27, Thorotons, the tro shows above is reduced by half, and the resulting fee is:					
A check in the amount of the fee is enclosed.					
Payment by credit card. Form PTO-2038 is attached.					
The Director has already been sutherfeed to charge feed in this app I have enclassed a displication copy of the sheet.	Mcaribon to a Deg	oosii Account.			
The Disector is hereby such ordered as channe any toes which may be required, or good may overpayment to Deposit Account No. 50 – 0510 , I name employed it displaces copy of this shoot.					
A polition for an extension of time under 37 CFR 1.138(a) (PTO/SS/22) is enclosed.					
WARNING: information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2033.					
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assigned of record of the entire interest, 500 37 CFR 3.71, Scattment under 37 CFR 3.73(b) is encoosed.	Anne Vachon Dougherty				
(Form PT(1959-26)	10		d or grinned name		
Registration Autritor 30,374	. (9	14) 962– ਾਂਦ	5910 sphone number		
Illiantity of against techniq under 37 CFR 1.34, Registration resistor if acting under 37 CFR 1.34.		tober 29	, 2007		
NOTC: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Sobrits multiple forms if more than one signature is required, see below.					
Total of 1 towns and submitted.					

This office on of intervision is recursed by 37 CFR 41.31. The information is required to chain or require a sample by the putties which is to fire (and by the USPTO to promite) as application. Confedentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11, 1,14 and 41.6. This collection is estimated to take 12 minutes to complete, calcular patheting properties, and automating the completed application from the USPTO. There will vary deponding upon the individual case. Any Contract of their proprietation to complete application for registering the burdes, dealer on the 16 CFR provincial CFR. U.S. Proprieta of Comments. F.O. Box 1850, Alexandria, VA 22313-1450. TO INST SEND FEES ON COMPLETED FORMS TO THIS AUTOMATIC, SEND TO: Committee on the Potentia, P.O. Box 1850, Alexandria, VA 22313-1450.

If you need autotions in completing the form, call ti-600-P70-8199 and solice option 2.

Doc Code: AP.PRE.REQ

PTC/SB/33 (07-05)
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Under the Paperwork Reduction Act of 1995, no persons are required to respon	nd to a collection				
PRE ARREAL PRICE DECLIERT FOR REVI	ICSA!	Docket Number (Optional)			
PRE-APPEAL BRIEF REQUEST FOR REVIEW		JP919990263US1			
I hereby certify that this correspondence is being deposited with the	Application Number		Filed		
United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)]	09/772,011		01/27/2001		
October 29, 2007	First Named	Inventor			
Signisture Gaze Vactory Nougher		N. Feng			
' / } 🎮		Art Unit Examiner			
Typed or printed Anne Vachon Dougherty	2145	5 A	A. Q. Choudhury		
Applicant requests review of the final rejection in the above-identified application. No amendments are being filed with this request.					
This request is being filed with a notice of appeal.					
The review is requested for the reason(s) stated on the attact Note: No more than five (5) pages may be provided		s).			
E article A			\bigcirc :		
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appticant/arwenter.	_1/1	- I VECTO	NACO AND		
assignee of record of the entire Interest.	3	·	0		
See 37 CFR 3.71, Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)	Ann	e Vachon Typed or	printed name		
X attorney or agent of record. 30,374	(914) 962-5910				
	•	Telepho	one number		
attorney or agent acting under 37 CFR 1.34.	00	tober 29,	2007		
Registration number if acting under 37 CFR 1.34	-		Date		
NOTE: Signatures of at the inventors or assignings of second of the online interest or their representative(s) are required.					
Submit multiple forms if impre than one signature is required, see balow.					
Total of forms tire submitted.					

This collection of information is required by 35 U.S.C. 132. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) on application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11, 1.14 and 41.6. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Officer, U.S. Department of Commence, P.O. Box 1450, Alexandria, VA 22313-1450. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

The claims recite a system, method, and program storage device for dynamically providing load balancing among a plurality of mirror Servers during a user sossion with a web sage. When a user at a client machine contacts a web site, the web page and a predetermined script are transmitted to the client. The predetermined script is Sucomatically executed 32 che client ೬೦ establish connections with each of the plurality of mirror servers associated with the web page that are available to serve the client's request. As the connections are astablished between the client and each of the mirror servers, the response times are measured. The client selects the mirror server with the most favorable response time as selected migror server to handle the user's next request during that session. The "load balancing" is done at the Chient location by evaluating the response times. user's next action during that session will be sent to the migror server selected as the fastest. Aucordingly, the present invention provides client-side "load balancing" by the fastest server and sending selecting request/action in the user session to that selected Server.

The claims have been rejected as unpatentable over the Kenner patent. The Kenner patent is directed to server-side optimization of data delivery on a distributed computer network. Kenner provides a plurality of mirror servors, each of which is capable of responding to a client's request for data delivery. Each client is provided with software which includes a configuration utility and a "The configuration utility is used first olieat program. which delivery sites provide determine performance for that particular user" (Col. 5, lines 39-Tests are run and the test results are provided to

the service provider's database (Col. 5, lines 57-60). Thereafter the delivery site chosen by the configuration utility is used for all requests and sessions by that user for the retrieval of content managed by the delivery system service provider (Col. 5, lines 61-63). Kenner teaches that a server selection is made in advance as to which delivery site/mirror server will handle a The determination is made prior to the client's requests. Kenner expressly states that client making any requests. "the configuration utility 34 must be run user...before the user terminal 12 will have access to the system" (Col. 8, lines 37-41). Clearly Kenner is neither teaching nor suggesting that a server be dynamically selected by the client during a session to handle the next action within that session. Kenner does not teach that the determination is made in response to the client accessing Rather, Kenner's client must execute the the web page. configuration utility prior to joining the system and prior to issuing any client requests.

Applicants further note that Kenner does not teach or suggest that the configuration utility be downloaded upon access to a web site in response to a user request to browse that web site. Rather, Kenner requires that the configuration utility be run <u>before</u> the user terminal will have access to the system (Col. 8, lines 37-41). While Kenner does teach that the configuration utility can be downloaded from the MSP server, Kenner neither teaches nor suggests that the configuration utility be downloaded for each session upon access to a web site in response to a user request to browse the web site.

Applicants respectfully assert that the Kenner patent does not obviate the invention as claimed. As is expressly

recited in the independent claims, the present invention provides steps and means for transmitting the web page and the predetermined script "when said web page is accessed by a client in response to user input to establish a session" (Claims 1-10 and 20) and "in response to user input to establish a session to browse said web site" (Claims 11-19). Further, the claims recite selecting a mirror server to handle the next user action during the session. Kenner does not teach or suggest the claim features.

For a determination of obviousness, the prior art must teach or suggest all of the claim limitations. words in a claim must be considered in judging the patentability of that claim against the prior art" (In re Wilson, 424 F. 2d 1382, 1385, 165 U.S.P.Q. 494, 496 (C.C.P.A. 1970). If the cited references fail to teach each and every one of the claim limitations, a prima facie case of obviousness has not been established by the Examiner. Since Kenner does not teach steps and means for transmitting the web page and the predetermined script "when said web page is accessed by a client in response to user input to establish a session" (Claims 1, 3-10 and 20) and "in response to user input to establish a session to browse said web site" (Claims 11-19), and does not teach selecting a mirror server to handle the next user action during the session (Claims 1 and 3-20), it cannot be maintained that the claims are unpatentable over Kenner.

The Examiner has taken "official notice" of the fact that software can be downloaded through HTTP in a network. However, Applicants maintain that, even if one having skill in the art sought to modify Kenner by downloading software, the modified Kenner system would still not obviate the present invention since there is no teaching or suggestion

of downloading software in a session to execute the software for a client to select a server to handle the next request in the session.

The Examiner has made conclusory statements about Kenner which are not supported by the Kenner teachings. For example, the Examiner states that "a browser can be directed to the MSP and a software can be downloaded through a webpage interface"-but Kenner doesn't teach that. Further the Examiner concludes that "[m]odern processors and operating systems enable multithreaded execution", however Kenner does not teach or suggest multithreaded execution of a script within a session to select a server to handle the next action in that session.

Applicants contend that obviousness cannot be maintained without some teaching or suggestion of the claim features. The Federal Circuit has stated that when patentability turns on the question of obviousness, the obviousness, determination "must be based on objective evidence of record" and that "this precedent has been reinforced in myriad decisions, and cannot be dispensed with." (In re Lee, 277 F. 3d 1338, 1343 (Fed. Cir. 2002)). The Federal Circuit has stated that "conclusory statements" by an examiner fail to adequately address the factual question of motivation, which is material to patentability and cannot be resolved "on subjective belief and unknown authority" (Ig. at 1343-1344). Accordingly, Applicants maintain that the Examiner has not established that the pending claims are prima facie obvious.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of April 11, 2007

N. Feng, et al : Group Art No.: 2145

Serial No. 09/772,011 : Examiner: A. Q. Choudhury

Filed: January 27, 2001 for IBM Corporation
Anne Vachon Dougherty

Title: METHOD FOR BALANCING 3173 Cedar Road

LOAD AMONG MIRROR SERVERS Yorktown Hts, NY 10598

PETITION FOR EXTENSION OF TIME

Commissioner for Patents Sir:

Applicants hereby petition for an extension of time for a period of one month to respond to the Office Action dated June 28, 2007. The period for response, which had been set to expire on September 28, 2007, will now expire on October 29, 2007, since the 28th fell on a weekend. A check in the amount of \$120.00 is enclosed. Authorization is hereby given to charge Deposit Account 50-0510 should any additional charges be required.

Respectfully submitted,

N. Feng, et al

Rv.

Anne Vachon Doughert

Reg. No. 30,374

Tel. (914) 962-5910

PLEASE ACKNOWLEDGE AND RETURN Date mailed: 29 Cololu 2017
EXPRESS MAIL: EB194 346648 US

Paper filed: Nonce of Appeal, Request for Prehipsed Brief Review, Peculian to Extension, Fee, Postcard

JP919990263 US1 Docket:

To Apolo Of N. Feng, et al

Title: METHOD FOR BALANCING LOAD AMONG MIKERE SERVERS

Filing Date: 1/27/01

Serial No: 03/772.011

Attorney: AVD





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Paper filed: Notice of Appeal, Request for Pre Appeal Brief Review, Petition for Extension, Fee, Postcard

Docket: JP919990263 51

In Applin Of: N. Feng, et al

Title: METHOD FOR BALANCING LOAD AMONG MIRROR SERVERS

Filing Date: 1/27/01

Serial No: 09/772,011

To: Anne VACHOR 12/28/2007 DOOGHERTY

FROM: JEFF GAFFIN ACTING DIRECTORY TO 2100

775 per our phone call of 12/28/2007

PAGE 1/5



UNITED STATES DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

APPLICATION NOJ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION		ATTORNEY DOCKET NO.		
09772011	1/29/2001	FENG ET AL.	ET AL. JP919990263-US1 EXAMINER			
Anne Vachon Dougherty 3173 Cedar Road Yorklown Helghis, NY 10598		Choudhury, Azizul O				
			ART UNIT	PAPER		
			2145	20071228		

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Interview Summary	Application No.		Applicant(s)	
	09/772,011		FENG ET AL.	
	Examiner		Art Unit	4
	Choudhury, Azizi	ul Q	2145	
All participants (applicant, applicant's representative, P	TO personnei):			
(1) Jefirey A. Gaffin.	(3)			
(2) Arms Vector Doubtern.	(4)			
Date of Interview. <u>28 December 2007</u> .				
Type: a) ☐ Telephonic b) ☐ Video Conference c) ☐ Personal [copy given to: 1) ☐ applicant	2) applicant's.n	epresentative	: }	
Exhibit shown or demonstration conducted: d) Yes tf Yes, brief description:	e)⊠ No.			
C'aim(s) discussed: M/A.				
ldอกมีกิ cation of prior art discussed: <u>M/A</u> .				
Agreement with respect to the claims f)☐ was reached	. g)□ was not read	hed. h)⊠N	/A.	
Substance of Interview including description of the generation of any other comments: See Continuation Sha		as agreed to	if an agreement	was
(A fuller description, if necessary, and a copy of the am allowable, if available, must be alfached. Also, where n allowable is available, a summary thereof must be attact	io copy of the amend	exami ner agr i ments th at w	eed would rende ould render the o	r the daims daims
THE FORMAL WRITTEN REPLY TO THE LAST OFFIC INTERVIEW. (See MPEP Section 713.04). If a reply to GIVEN A NON-EXTENDABLE PERIOD OF THE LONG INTERVIEW DATE, OR THE MAILING DATE OF THIS FILE A STATEMENT OF THE SUBSTANCE OF THE IN requirements on reverse side or on attached sheet.	the last Office action ER OF ONE MONTH INTERVIEW SUMMA	has afready OR THIRTY VRY FORM, V	been filed, APPL DAYS FROM TI WHICHEVER IS	ICANT IS HIS
	•			
Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.	 Exa	miner's signa	ture, if required	

Application No. 09/772,011

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Ms. Dougherty called the PTO as she had not received a response to her Request for Pre-Appeal Conference which was filed on 10/29/2007. PTO records indicate a Notice of Panel Decision from Pre-Appeal Brief Review was mailed 12/10/2007 indicating the Request was improper due to the Request lacked a title. Ms. Dougherty said she had not received such Decision and further indicated the Request was submitted with a title page. Acting Director Gaffin indicated he would fax her an 'unofficial' copy of this Interview. Summary which will be mailed concurrently. Acting Director Gaffin will also e-mail appropriate PTO personnel to see if such title page was lost by the PTO.

Summary of Record of Interview Requirements

[13] mail of Potant Examining Procedure (MPEP), Sociéty 713.04, Sebstance of Interview Must be Made of Record

A complete within statement as to the substance of my face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whather or not an agreement with the examiner was recorded at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Personality

In every includes where reconsideration is intiguested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warrording tovorable action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business was the Patent or Trademark Office should be transacted in writing. The personal eltendance of applicants or their allornays or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any subgrad aret promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Tradamark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the situmey or agent to make the substance of an interview of record in the application file, unless the assuminer indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each Interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing and typographical errors or unreadable script in Office actions or the like, are excluded from the Interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the . *Contants' section of the file windper. In a personal interview, a duplicate of the Form is given to the applicant (or attempt or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by
 attachment of a capy of amendments or define agreed as being allowable). Note: Agreement as to allowability is tentative and does
 not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the Interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, nowever, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is expellemented by the applicant or the examiner to include, all of the applicable items required below concerning the

- A complete and proper recordation of the substance of any Interview should include at least the following applicable items:
- 1) A brist description of the nature of any exhibit shown or any demonstration conducted.
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the little full formular completed by the Examiner.
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
 - (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully there arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the Interview unless already described in the Interview Summary Form completed by the examiner.

Exeminers are expected to cerefully review tire applicant's record of the substance of an interview. If the record is not complete and accurate, the exeminer will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a tetter setting forth the examiner's version of the attended to him or ner. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the pager recording the substance of the Interview along with the date and the examiner's initials.